

STATE OF MICHIGAN
DEPARTMENT OF NATURAL RESOURCES
OFFICE OF HAZARDOUS WASTE MANAGEMENT
BOX 30035
LANSING, MICHIGAN 48209

WASTE CHARACTERIZATION
REPORT

SECTION A.

WASTE GENERATOR IDENTIFICATION INFORMATION

EPA IDENTIFICATION NUMBER

MIT 2700 19771

BUSINESS NAME

Die Casting Div., Hoover Universal, Inc.

ADDRESS

232 Monroe Street

CITY

Saline, Michigan

STATE

48176

ZIP CODE

RECEIVED

AUG 30 1982

ACT 64

NAME AND TITLE OF CONTACT PERSON

TELEPHONE NUMBER

William J. Tischler, Technical Director

(313) 429-9411

SECTION B. COMMON NAME OF THE WASTE

ENTER TYPE OF WASTE (i.e. common name characterized on this form and the source or process from which it was produced.)

Wastewater treatment sludge from electroplating operations.

SECTION C. LISTED HAZARDOUS WASTE

1. If the waste is listed in tables 301 a, b, c, or d of Rule 299.6308, 299.6309, 299.6310 or 299.6311, respectively or table 305 of Rule 299.6317, enter the hazardous waste number from the appropriate table
2. If the waste is a discarded commercial chemical product, off-specification specie, container or spill residue of a substance listed in Table 302a, Rule 299.6312, or Table 302 b or c, Rule 299.6313 or 299.6314, respectively, enter the hazardous waste number from the applicable table
3. If waste contains any substances listed in table 302 a, b, or c, Rule 299.6312, 299.6313, or 299.6314, respectively, enter their hazardous waste number(s) from the applicable table AND record the component concentrations.
4. If the waste contains viable disease-causing agents listed in table 304, Rule 299.6316, enter the hazardous waste number(s) from the table

HAZARDOUS
WASTE NO.

F101016

COMPONENT
CONCENTRATION

3 to 4 %

0.2 to 1 %

.4 to 1 %

D101017

01011B

01013B

SECTION D. HAZARDOUS WASTE BASED ON CHARACTERISTICS

5. Ignitable Wastes

Test Results

Parameters

Reference

- 5a. Liquid flash point test (aqueous solutions containing less than 24% alcohol by volume are excluded from this test).

N/A to N/A °C

Flash Pt. 60°C

299.6201 (c) (i)

- 5b. Non-liquid — Is it ignitable based on conditions stated in the reference?

☐ Yes ☒ No

See Reference

299.6201 (c) (ii)

- 5c. Compressed gas — Is the waste a flammable compressed gas as defined in the reference?

☐ Yes ☒ No

See Reference

49 CFR § 173.300

- 5d. Oxidizer — Is the waste an oxidizer as defined in the reference?

☐ Yes ☒ No

See Reference

49 CFR § 173.151

- 5e. Enter "D001", as the hazardous waste number if the waste exceeds one or more of the parameters listed or meets the definition of a hazardous waste based on the reference

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6. Corrosive Wastes (concentrated salt solutions are by definition not corrosive)

Test Results

Parameters

Reference

- 6a. Aqueous Solution — pH test

9.1 pH

See Reference

299.6201 (a) (i)

- 6b. Liquid-Steel (type SAE 1020) corrosion test

0 mm/yr

Rate 6.35 mm/yr

299.6201 (a) (ii)

- 6c. Albino rabbit skin test — Is the tissue destroyed or irreversibly changed?

☐ Yes ☒ No

See Reference

299.6201 (a) (iii) &
49 CFR § 173.240

- 6d. Enter "D002", as the hazardous waste number if the waste exceeds one or more of the parameters listed

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7. Reactive wastes

- 7a. Is the waste normally unstable and capable of undergoing violent chemical or physical change without detonating?

☐ Yes ☒ No

- 7b. Does it react with water forming potentially explosive mixtures with water?

☐ Yes ☒ No

- 7c. When mixed with water, does it generate toxic gases, vapors, or fumes?

☐ Yes ☒ No

- 7d. Is it a sulfide or cyanide bearing waste which when exposed to pH conditions between 2 and 12.5, can generate toxic gasses, vapors, or fumes?

☐ Yes ☒ No

- 7e. Is the waste capable of detonation or explosive reaction when subjected to a strong initiating source or if heated under confinement?

☐ Yes ☒ No

7f. Is the waste capable of detonation or explosive decomposition or reaction at standard temperature and pressure?

☐ Yes ☒ No

7g. Is the waste a forbidden explosive as defined in 49 CFR § 173.51?

☐ Yes ☒ No

7h. Is the waste a Class A explosive as defined in 49 CFR § 173.53?

☐ Yes ☒ No

7i. Is the waste a Class B explosive as defined in 49 CFR § 173.88?

☐ Yes ☒ No

7j. If the answer to any of the questions 7a through 7i is yes, enter "D003", as the hazardous waste number. ☐ ☐ ☐ ☐

EPA Toxic Wastes — Upon obtaining an extract of the waste as described on

Hazardous Waste No.

Concentration

40 CFR § 261, Appendix II, test for the components listed in Table 303,

☐ ☐ ☐ ☐

mg/l

Rule 299.6315. For each component material that exceeds the extract

☐ ☐ ☐ ☐

mg/l

concentration listed in the table, enter the hazardous waste number(s)

☐ ☐ ☐ ☐

mg/l

and the tested concentration(s):

☐ ☐ ☐ ☐

mg/l

SECTION E. PHYSICAL STATE AT 25°

9. What is the average density of the material?

10. Solids: Does the material produce dust if exposed to air movement?

☐ Yes ☒ No

11. Liquid — Sludge: What is the percent solids?

☐ Yes ☒ No

Do the solids settle out?

☐ Yes ☒ No

Can the material be pumped?

☐ Yes ☒ No

Can the material be poured?

☐ Yes ☒ No

12. Liquid: At what temperature does it freeze?

0 °C

13. Gases: What is the maximum pressure of the container?

0 PSIG

SECTION F. OTHER INFORMATION:

1. What is the maximum quantity of this waste that is generated per month?

7,500 kg.

2. If the only hazardous waste numbers listed on this form are the numbers that have been entered for Item 3, enter the numbers in the space provided if the component concentration (Item 3) and the quantity of the waste generated (Item 14) cause the waste to be considered as a notification waste based on R 299.6201 (1) (g) (iii) and (iv), figure A of R 299.6201(2), or figure B of R 299.6201 (3):

D 0 0 7

0 0 1 B

0 0 3 B

NOTE: If the hazardous waste numbers that have been entered under item 3, begin with the letter "P" use figure A to determine if it is a notification waste. If the number begins or ends with the letter "U" use figure B.

3. Are the hazardous wastes listed on this form disposed of onsite?

☐ Yes ☒ No

4. If the waste is a hazardous waste, is it exempt under the small quantity exemptions pursuant to R 299.6203(2) and (3)?

☐ Yes ☒ No

5. If tests were conducted in the evaluation of the waste, all of the following information shall be transmitted to the Department of Natural Resources with the waste characterization

Record:

(a) The sampling procedure and the reasons for determining that the sample is representative of the waste.

(b) The results of all tests conducted.

(c) The accuracy and precision of any test conducted.

SECTION G. U.S. DEPT. OF TRANSPORTATION REPORTING REQUIREMENTS

Hazardous Materials Description and Shipping Name

Wastewater treatment sludge from electroplating operations.

Hazard Class

NOS-ORM-ENA 9189

UN/DA ID No.

Special Handling and Shipping Requirements

None

If the waste is hazardous and not exempt or excluded from management, or is a notification waste, send the completed form to the Department of Natural Resources, Office of Hazardous Waste Management, P.O. Box 30038, Lansing, MI 48909.

Signature William J. Tischler

Technical Director

Title

8/24/82

Date